

TUE 1-55'

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16 August 1961

MEMORANDUM FOR: The Record

SUBJECT :

1. TIME & PLACE OF MEETING: The meeting was held on July 28-29 at [redacted].

2. ATTENDANCE:

3. PURPOSE OF VISIT: To discuss the varied projects at [redacted] P-213 - Acoustics of Materials, P-350 - Animal Ultrasonics, P-351 - Secure Room Jammer.

4. DISCUSSION:

[redacted] has now completed the production of the 50 dual channel kits. The 40 transducers needed to complete the task were hand carried to Washington by the undersigned and turned into [redacted].

[redacted] has not yet received the contract for the production of the 25 special filters. [redacted] has the parts list ready to be ordered pending receipt of the contract.

[redacted] was queried as to when he would complete the patent application on the transducer and he stated that it would be completed by 1 September.

[redacted] has completed the circuit design for the Secure Room Jammer. They have checked the Bell Labs unit and determined how they will package their unit. Work is being done on how to couple the energy into the wall and what is the best mounting technique. [redacted] is also investigating various techniques for optimum magnetic radiation.

[redacted] stated that they will have to request an extension of time on the animal ultrasonics task. The task is only for one month and [redacted] stated that they received the contract one week late.

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-2-

Memo For: The Record, dated 16 August 1961

Subj:

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They are also having some difficulty with the unit. The unit is to be a 5-watt unit, with the frequency variable from 15-25 Kc. The power rating is giving some trouble, in that the power supply draws alot of Amperes, requiring a substantial battery pack. The unit draws 4 Amps. at 12 volts. The device weighs about 20 pounds and is 12" x 8" x 4" in size. The majority of the weight is due to the rechargeable batteries and charger. stated that it would be much easier to build a specific frequency unit.

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stated that some of the problems they have encountered are: (1) parts procurement delay; (2) microphone - tweeter feedback; (3) heavy power drain; (4) variable frequency requirement. However, feels that with an additional two weeks of time they will have the device functioning and the problems solved. will furnish a brief instruction manual giving maximum power output, schematic, simple operating instructions and modulation pictures as taken on a scope. stated that the device would be a breadboard device, capable of meeting the requirement, but should not be considered a final product ²redesign or packaging.

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stated that there remained one more man week of work on the special report on Window Pane Pickoff. Work to date will be detailed out. feels that additional work should be done to determine whether a small node or a large area contains the most intelligence and just what the limits are. was informed that their report would determine just how much additional work, if any, should be done.

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has worked out the difficulties encountered in their automatic recording instrumentation for ultrasonic transmission in air. is recording temperature and wind velocity and was having trouble getting repeatable data. Little effort is being expended as this is considered a low priority task.

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-4-

Memo For: The Record, dated 16 August 1961

Subj: Trip Report; []

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Approval from [] would have to be obtained before [] could be asked to produce additional units.

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[] had not finished their proposal on evaluating transducers to cover the audio spectrum. [] stated that such a proposal would be submitted shortly. Still under consideration is the DF problem presented to them.

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TSD/AFB

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Distribution:

Orig. - P-213
X - P-351
1 - P-350
1 - AWS
1 - AWS Travel File
1 - Chrono

TSD/AFB/ES/AWS;ck.

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